

Date: July 11, 2006

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**TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 USC 371**

International Application No.: PCT/JP2005/019085  
International Filing Date: October 18, 2005  
Priority Date Claimed: None  
Title of Invention: BALL ENDMILL  
Applicant(s) for DO/EO/US: Jiro Osawa et al.

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Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☐ This application claims the benefit of foreign filing priority under 35 U.S.C. 119(e) based on Japanese Patent Application No. \*\*, filed \*\*, and Japanese Patent Application No. \*\*, filed \*\*.
2. ☒ A copy of the International Application as filed (35 USC 371(c)(2))
  - a. ☒ is transmitted herewith (required only if not transmitted by the International Bureau).
  - b. ☐ has been transmitted by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
3. ☐ A copy of front page of International Publication No. WO 2005/033553.
4. ☒ An English translation of the International Application (35 USC 371(c)(2)) in 19 pages of specification (with claims and abstract) and 3 sheets of drawings.
5. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 USC 371(c)(3))
  - a. ☐ are transmitted herewith (required only if not transmitted by the International Bureau).
  - b. ☐ have been transmitted by the International Bureau.
  - c. ☐ have been made and incorporated in a preliminary amendment attached.
  - d. ☒ have not been made and will not be made.
6. ☒ **Signed** declaration of the inventor(s) (35 USC 371(c)(4)) and Power of Attorney.
7. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98 with PTO-1449 form and five references.
8. ☒ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
9. ☒ A FIRST preliminary amendment.
10. ☐ A substitute specification with mark-up version.
11. ☒ A copy of International Search Report by JPO.
12. ☐ A copy of International Preliminary Examination Report by JPO.
13. ☒ A return prepaid postcard.
14. ☐ Small entity status is hereby claimed.
15. ☒ The following fees are submitted:

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				FEES
BASIC FEE (37 CFR 1.492(a)(5))				\$300
NATIONAL STAGE SEARCH FEE (1.492(b)(2))				\$400
NATIONAL STAGE EXAMINATION FEE (1.492(c)(2))				\$200
Surcharge of \$130 for furnishing the oath or declaration after 20/30 months from the earliest claimed priority date (37 CFR 1.492(e))				\$0
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	
Total Claims	8 - 20 =	0 ×	\$50	\$0
Independent Claims	2 - 3 =	0 ×	\$200	\$0
Multiple dependent claims(s) (if applicable)			\$360	\$0
Application Size Fee (0 pages over 100 sheets)			\$250/50	\$0
TOTAL OF ABOVE CALCULATIONS				\$900
Reduction by 1/2 for filing by small entity (if applicable).				\$0
TOTAL NATIONAL FEE				\$900

16. (X) A check in the amount of \$900.00 to cover the above fees is enclosed.

17. (X) A check in the amount of \$40 for recording the enclosed assignment (37 CFR 1.21(h)).

SEND ALL CORRESPONDENCE TO:

MURAMATSU & ASSOCIATES  
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Irvine, CA 92618  
Tel: (949) 753-1127

  
Signature

Yasuo Muramatsu  
Printed Name

38,684  
Registration Number

KANEKO.015AUS

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant	: Jiro Osawa et al.	)	Group Art Unit
		)	
Serial No.	: New Application	)	
		)	
Filed	: Concurrently Herewith	)	
		)	
For	: BALL ENDMILL	)	
		)	
Examiner	: Unknown	)	

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REQUEST FOR APPROVAL OF DRAWING CHANGES

Hon. Commissioner  
of Patents and Trademarks  
Alexandria, VA 22313-1450


Dear Sir:

This is to request for approval of drawing changes for the above-identified patent application which is entrance of national stage of U.S.A based on International Application No. PCT/JP2005/019085 in which Figs. 1 and 2 have been amended to be consistent with the U.S. practice. Replacement sheets for the amended drawings are also submitted.

Respectfully submitted,

MURAMATSU & ASSOCIATES

Dated: 7/11/06

By:   
Yasuo Muramatsu  
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10/586002

AP20 Rec'd PCT/PTO 12 JUL 2006

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July 12, 2006

Commissioner for Patents  
Alexandria, VA 22313-1450

**CERTIFICATE OF MAILING BY "EXPRESS MAIL"**

**Attorney Docket No.** : KANEKO.015AUS  
**Applicant(s)** : Jiro Osawa et al.  
**For** : BALL ENDMILL  
**Attorney** : Yasuo Muramatsu  
**"Express Mail"**  
**Mailing Label No.** : EV735781920US  
**Date of Deposit** : July 12, 2006

I hereby certify that the accompanying

Transmittal; a patent application in 19 pages of specification and 3 sheets of drawings; a check of \$900 for filing fee; signed declaration and power of attorney; International Search Report; copy of PCT Request; Preliminary Amendment; Request for approval of drawing changes; IDS with PTO-1449 form and five references; signed assignment with a cover sheet for recordation; a check of \$40 for assignment recordation; Return Prepaid Postcard

are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and are addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

  
Yasuo Muramatsu